

Title (en)
CONSISTENT LOCALIZER CAPTURES

Title (de)
LANDEBAHNERFASSUNGSINSTRUMENT MIT KONSISTENTER LEISTUNG

Title (fr)
CAPTURES D'ALIGNEMENT DE PISTE COHÉRENTES

Publication
EP 2753998 A1 20140716 (EN)

Application
EP 12745583 A 20120703

Priority
• US 201113227911 A 20110908
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Abstract (en)
[origin: US2013066489A1] Instrument Landing System (ILS) localizer captures have historically been prone to performance degradations based upon erroneous estimates of the localizer deviation and deviation rate. The angular nature of the ILS beam and the relatively narrow trusted linear course guidance sector of the beam are the primary causes of many such issues. It is highly desirable to convert the angular guidance data into a rectilinear form when used by an autopilot and/or flight director systems, the latter of which allows for more consistent stability and performance with respect to distance to runway threshold. Systems and methods disclosed herein are for accurately converting angular localizer data into rectilinear localizer data, thus allowing for improved localizer capture performance and stability.

IPC 8 full level
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G01S 1/16 (2013.01 - EP US); **G01S 19/15** (2013.01 - EP US); **G05D 1/0676** (2024.01 - EP US); **G08G 5/025** (2013.01 - EP US)

Citation (search report)
See references of WO 2013036320A1

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US 2013066489 A1 20130314; **US 8798820 B2 20140805**; CA 2842941 A1 20130314; CA 2842941 C 20160510; CN 103782248 A 20140507; CN 103782248 B 20170215; EP 2753998 A1 20140716; EP 2753998 B1 20170412; ES 2633167 T3 20170919; WO 2013036320 A1 20130314

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